Some methods used by Lloyd's Register

June 2004



Methods of Viewing

- Video recording under stroboscopic lighting.
- Video recording under natural lighting.
- Boroscope observation under natural lighting.



INTERACTING LEADING EDGE AND TIP VORTICES ON A CRUISE SHIP PROPELLER











Single Screw LNG Ship













- Video recording through standard windows in the hull generally gives the best clarity of observation. This usually demands dry docking the ship and is costly to implement.
- For many applications all that is needed is a general understanding of the cavitation interactions in the flow field.
- For this type of work LR developed the boroscope method of observation:
 - Cheap to install.
 - 360 degree viewing field.
 - Minimal disturbance to the flow field.





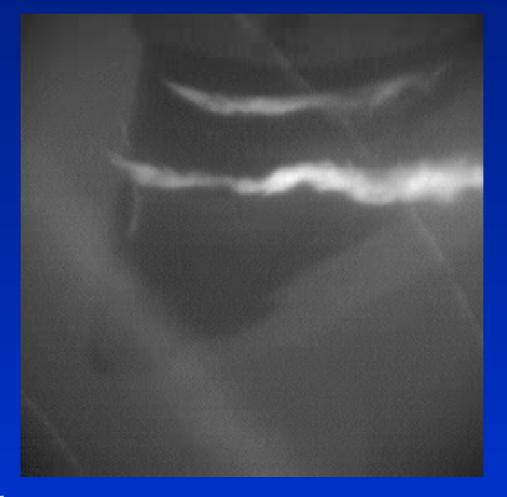


Hub and Tip Vortices on a Ro/Ro Ship in Poor Visibility Conditions





Cavitation around a Rudder







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